



# Canon Powershot S200 Flash Unit Replacement

This guide will provide the necessary steps needed for disassembling the camera's flash unit.

Written By: Tanya



## INTRODUCTION

The flash unit provides necessary lighting when not enough is available.

---

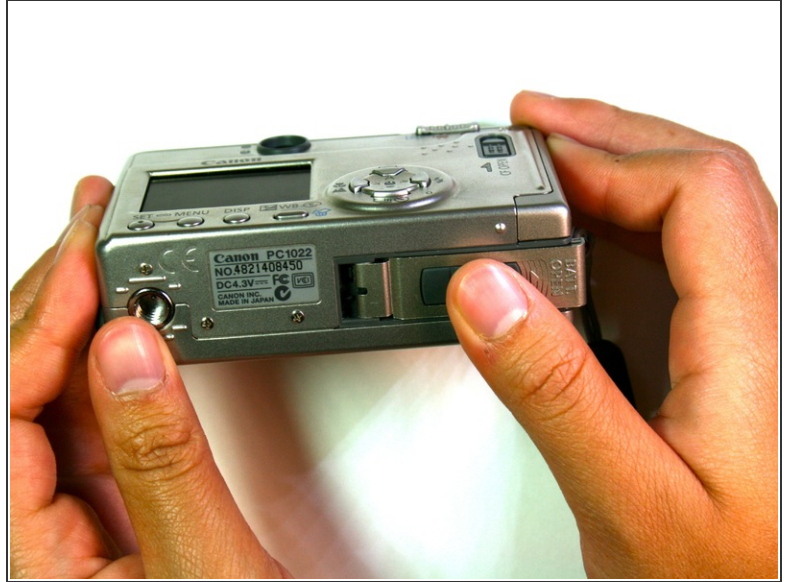


### TOOLS:

- [Soldering Station](#) (1)
  - [Phillips #00 Screwdriver](#) (1)
-

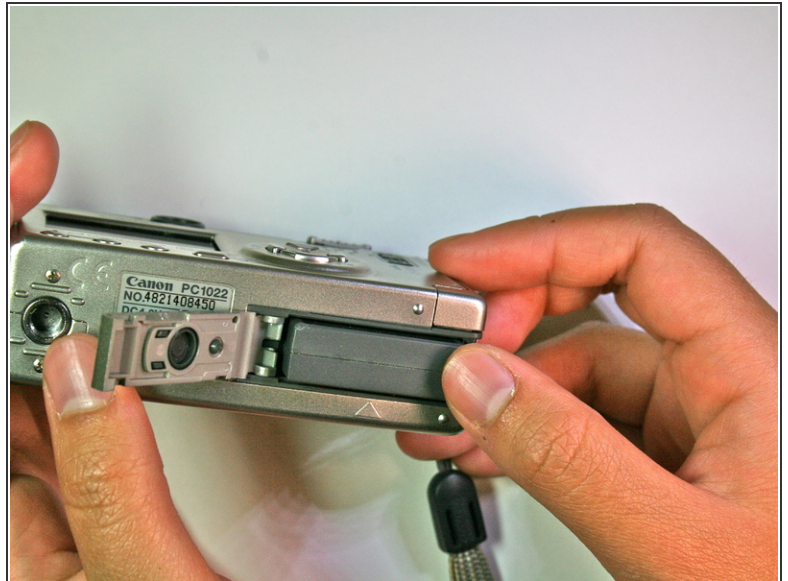


## Step 1 — Battery



- Slide grey latch to open the battery compartment.

## Step 2



- Push orange retaining clip to the right to free battery.

### Step 3



- Remove battery from the camera.

### Step 4 — Motherboard




- Remove the lanyard.



## Step 5



- Remove the two 2.3mm screws (underneath the name plate) and two 2.8mm screws (next to the threaded tripod mount) from the bottom face of the camera.

 Be careful to keep track of the different screw sizes as you proceed with this guide.

## Step 6



- Remove the single 3.8mm screw from the back face of the camera.

## Step 7



- Remove the two 2.3mm screws from the right face of the camera.

## Step 8



- Remove the two 3.2mm screws (outside edge) and two 3.7mm screws (towards middle) from the left side of the camera body.

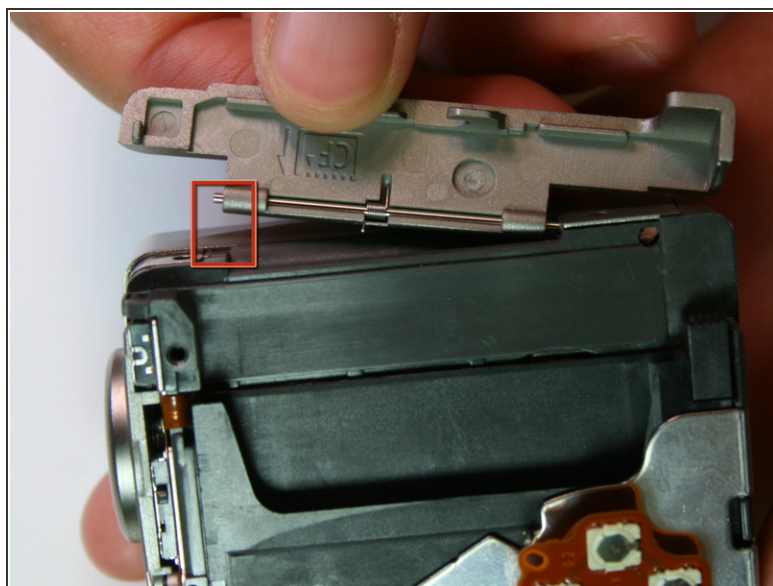
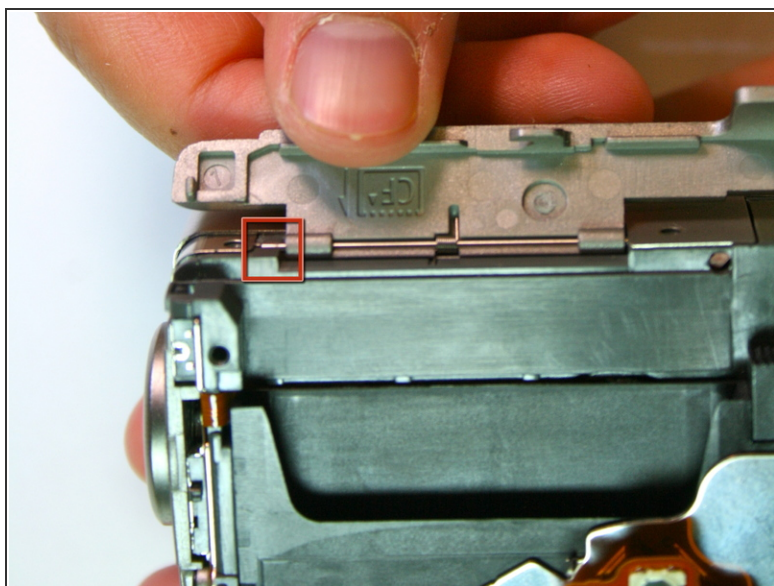


## Step 9



- Pull the back face panel away from the front end of the body. This may take some wiggling and force.

## Step 10



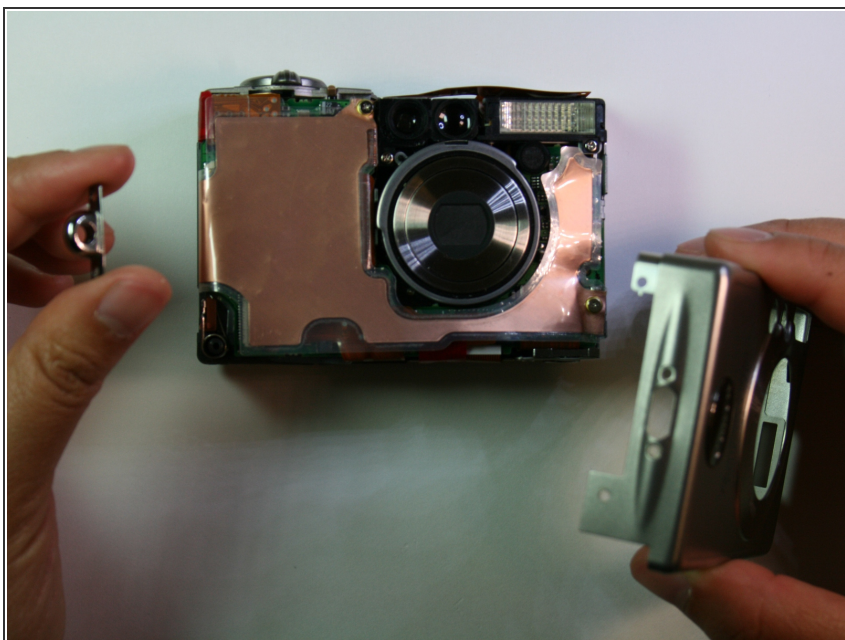
- Remove the CF card door from the left side of the camera body.

## Step 11



- Remove the rubber digital a/v out cap by sliding it out of the groove on the front plate.

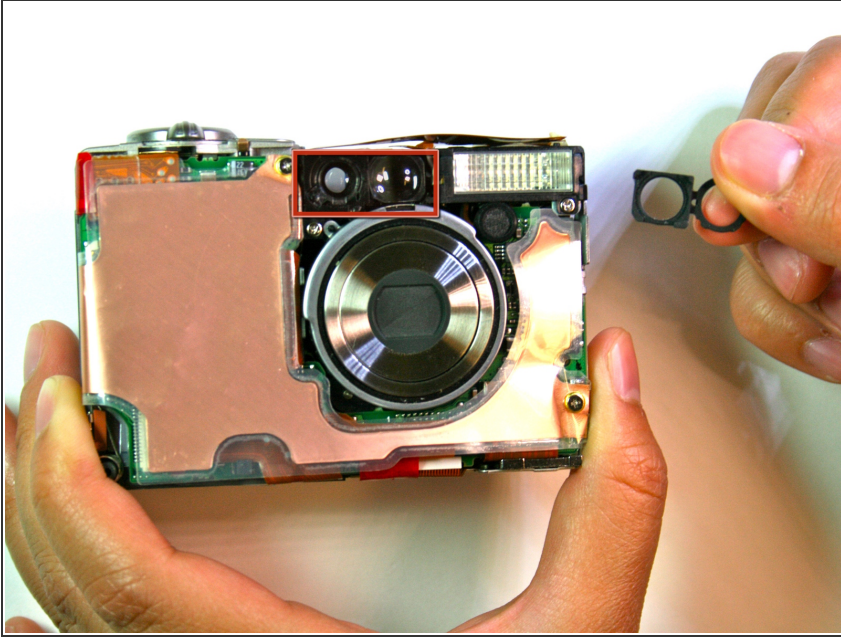
## Step 12



- Remove the front face by sliding it off.

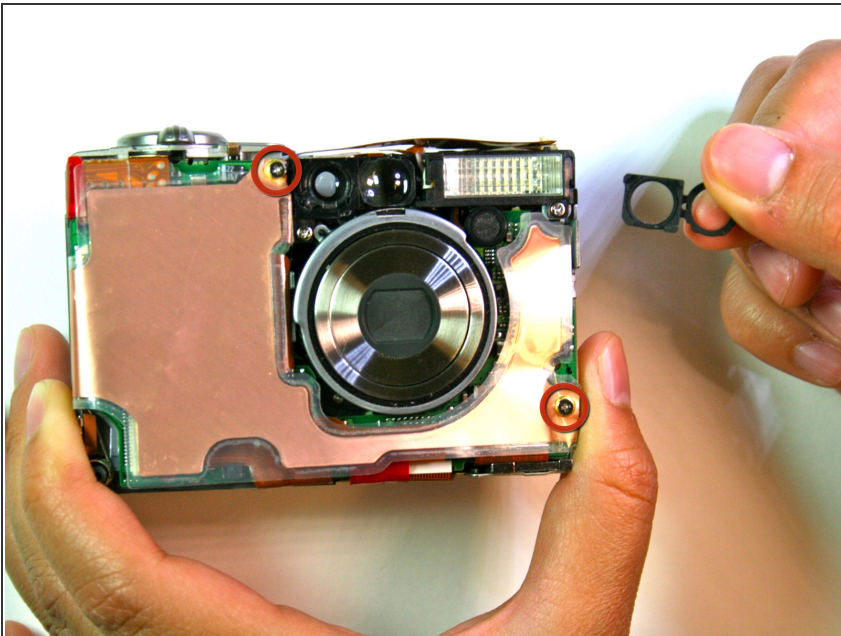


## Step 13



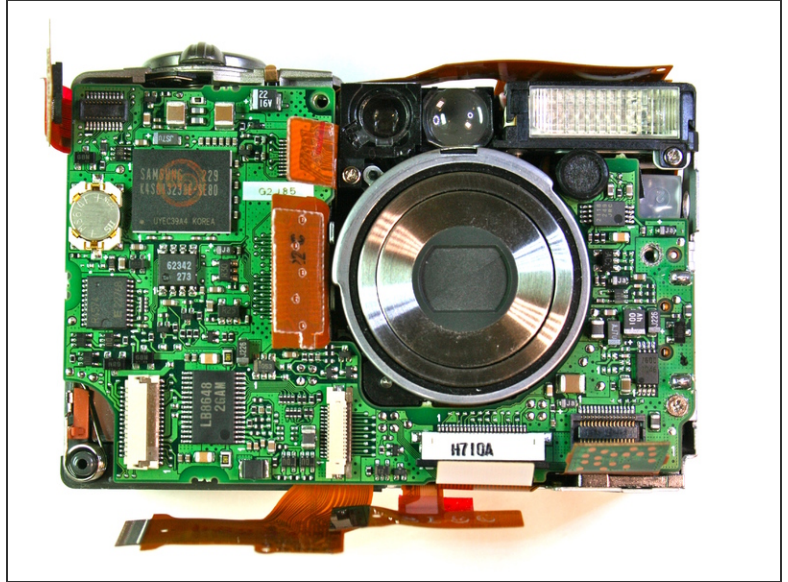
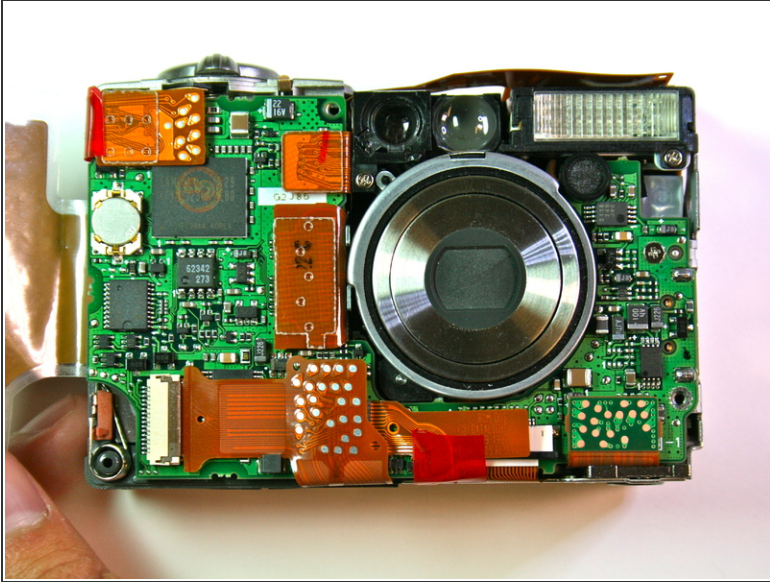
- Remove the rubber seal that goes over the right side of the viewfinder.

## Step 14



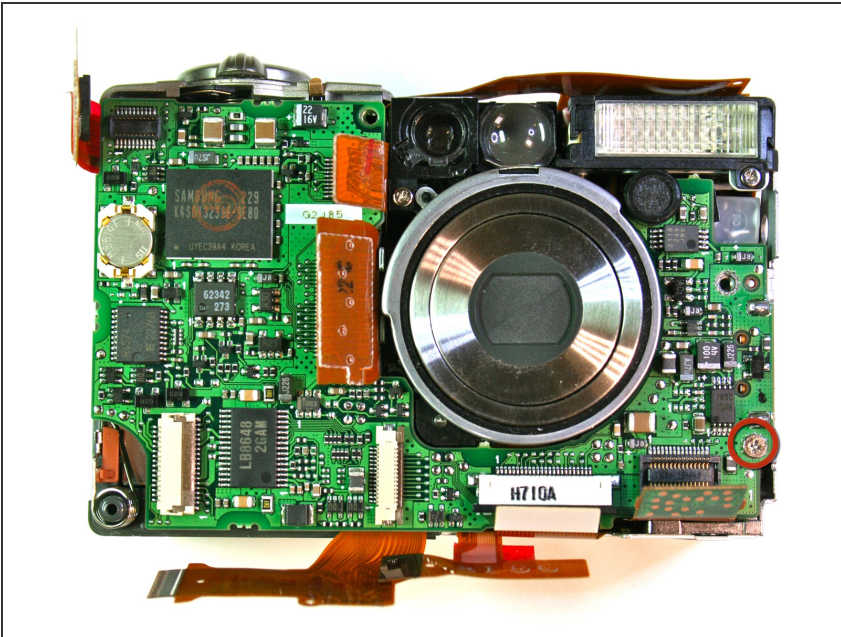
- Remove the two 3.9mm screws that retain the laminated copper sheet.

## Step 15



- Remove the seven wire connections that connect to the motherboard.

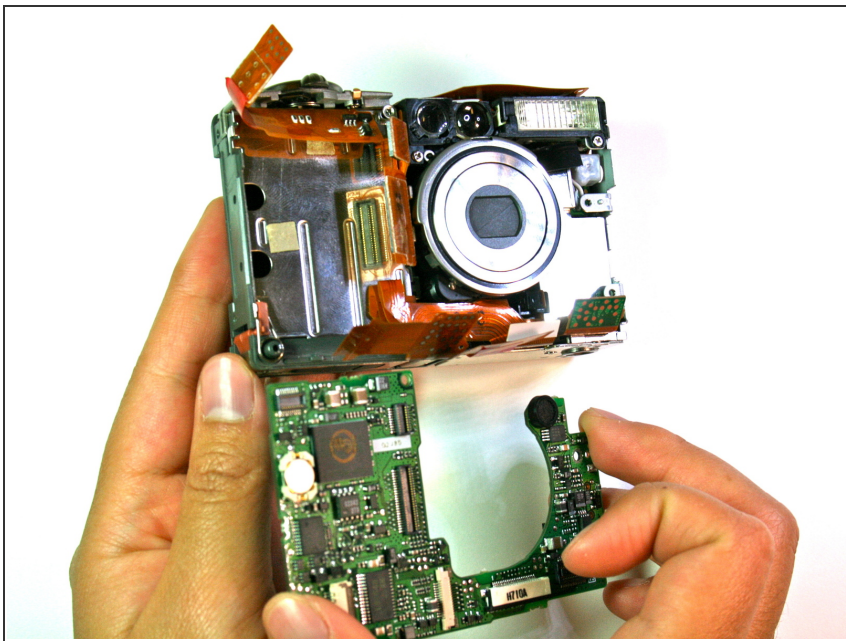
## Step 16



- Remove the single 3.8mm screw that is on the motherboard.

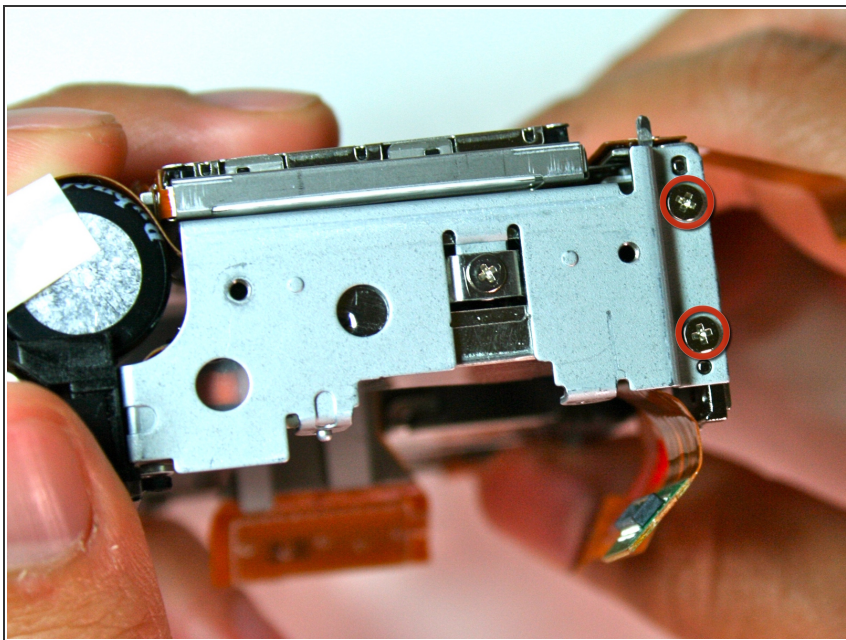


## Step 17



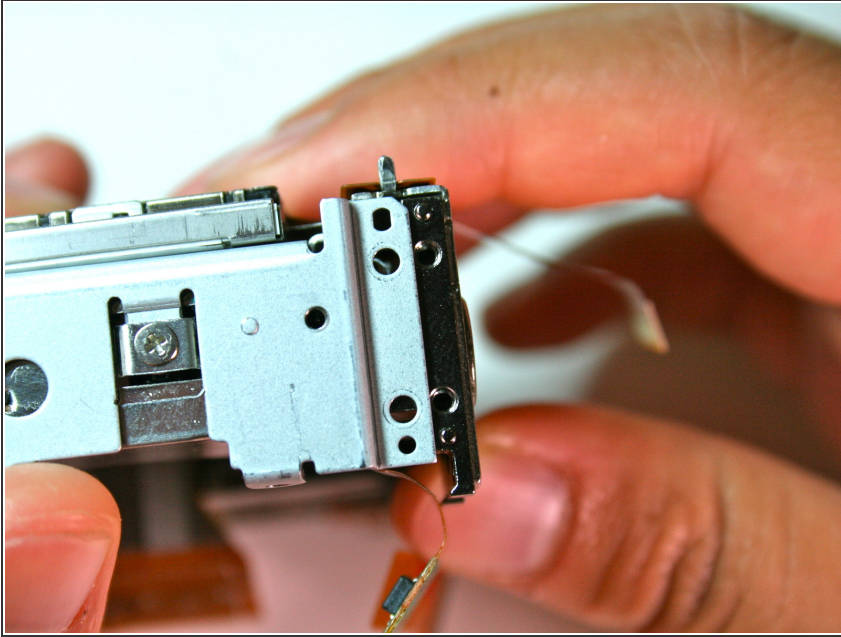
- Carefully remove the motherboard from the main frame of the camera body.

## Step 18 — Screen



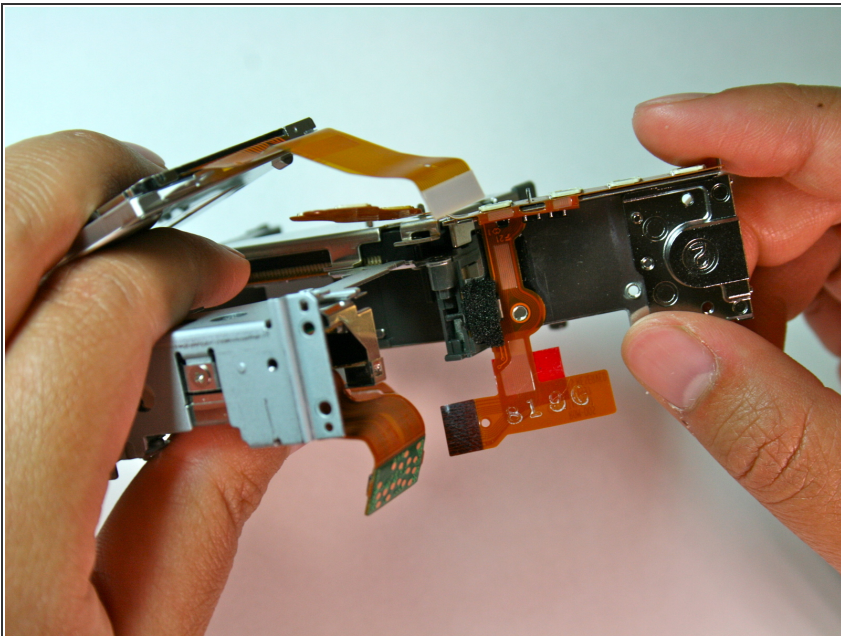
- After completing the removal of the motherboard, remove the tripod mounting screws (3.4mm) on the left side

## Step 19



- Carefully pry the left side of the housing plate from the bottom of the tripod mounting plate, releasing it from the two alignment pegs next to the screws

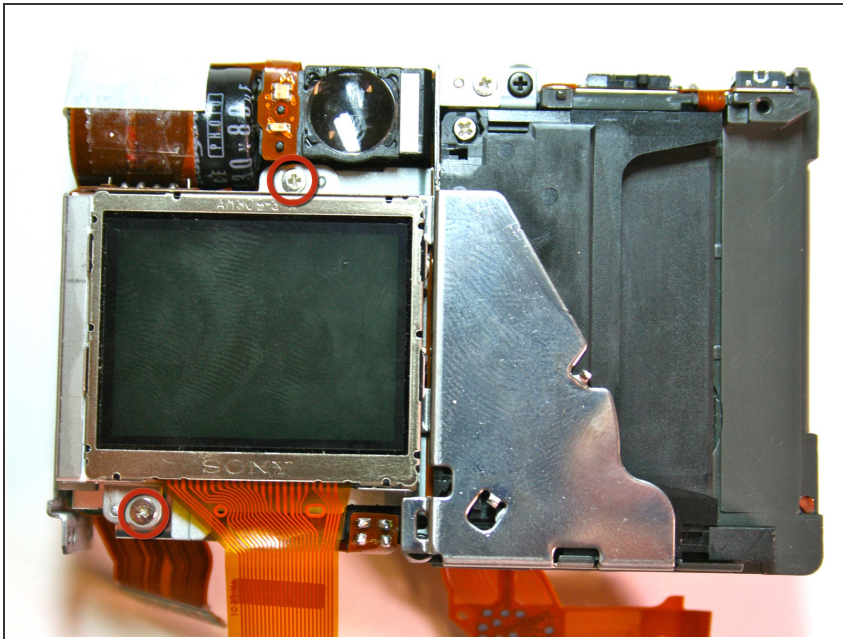
## Step 20



- Lift the left side of the tripod mounting plate towards you, lift free the mounting plate from the rest of the assembly
- Be careful because there are still wire connections attached to the mounting plate which you don't want to remove

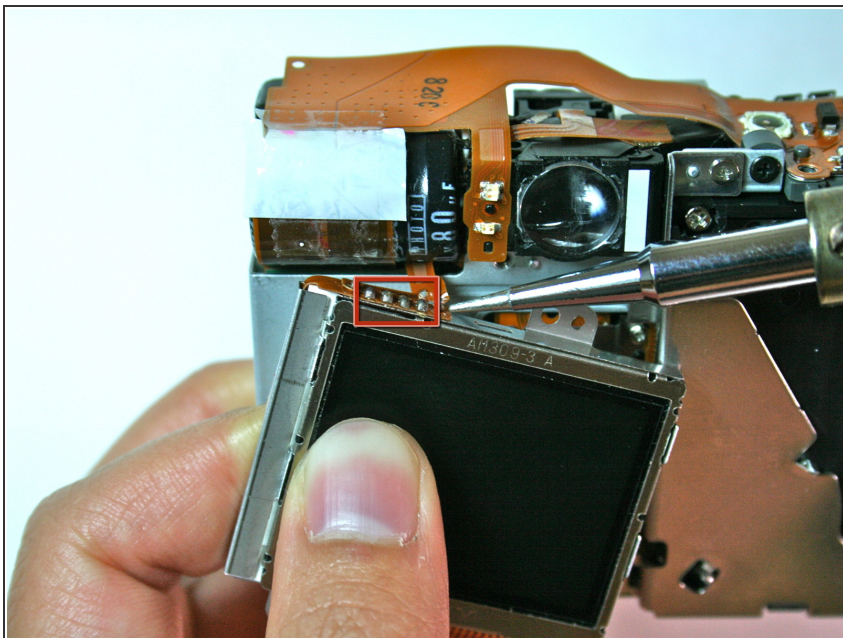


## Step 21



- Remove the 2.1mm screws from the bottom and top of the screen connecting it to the housing plate

## Step 22



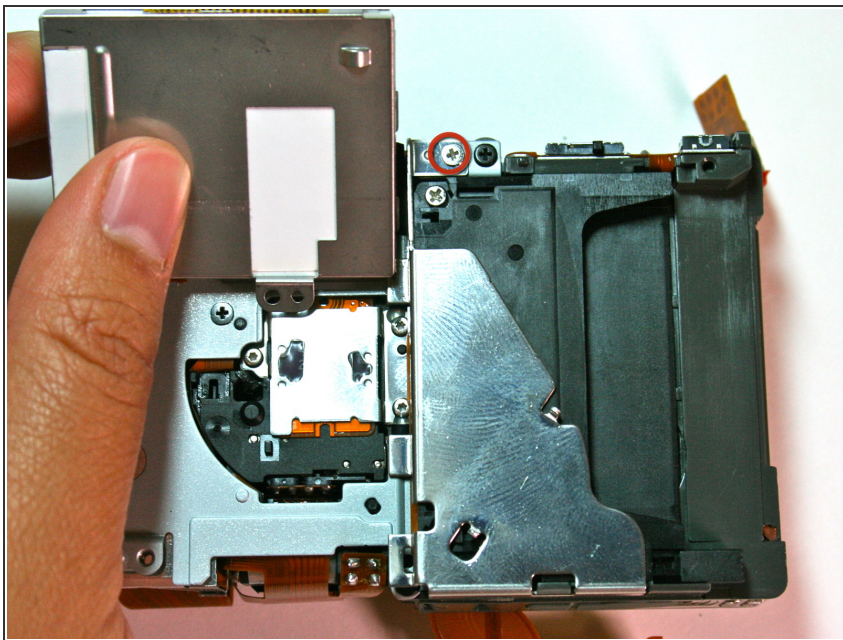
- Unsolder the four points at the top of the screen with a soldering iron

## Step 23 — Camera lens



- i** You do not need to unsolder the screen to get to the lens, but follow the rest of the steps to free the screen from the housing plate.

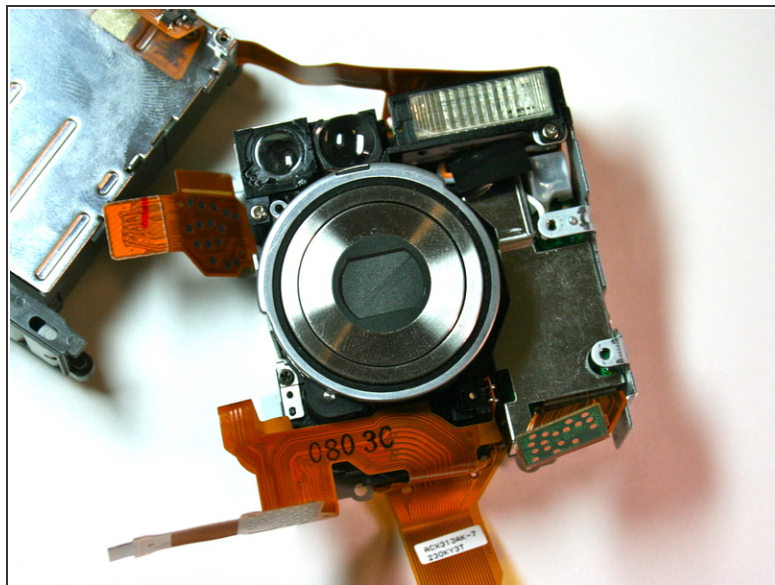
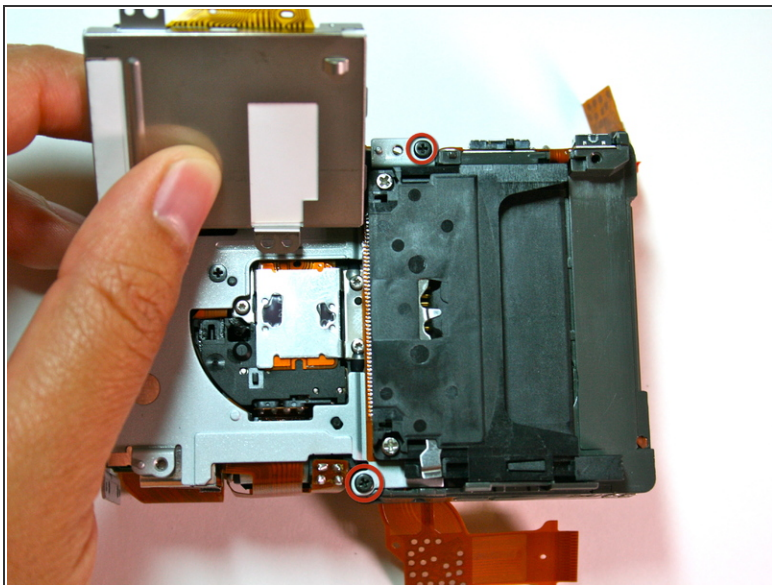
## Step 24



- Remove the card-reader shield by removing the screw at the top of the shield.



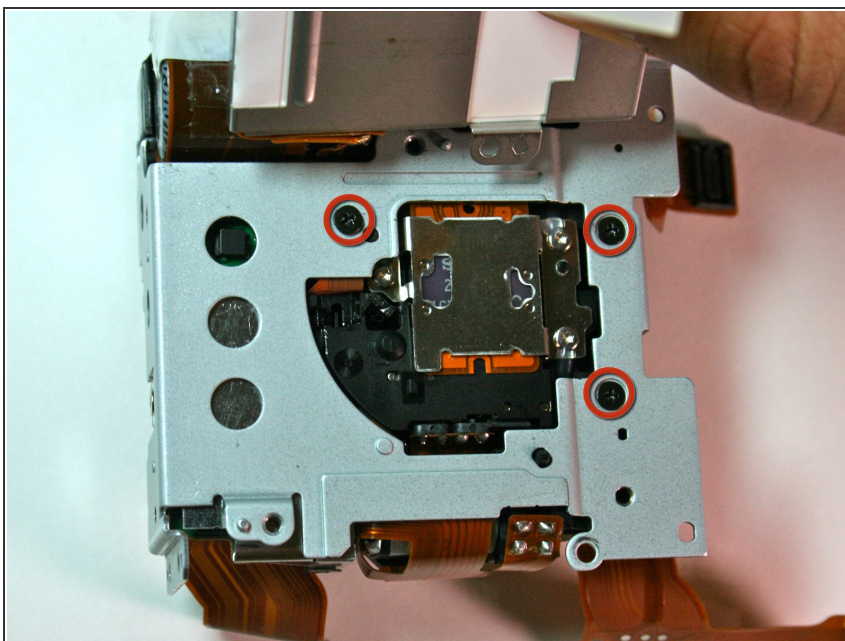
## Step 25



- Remove the 2 black screws that attach the battery box to the housing plate.

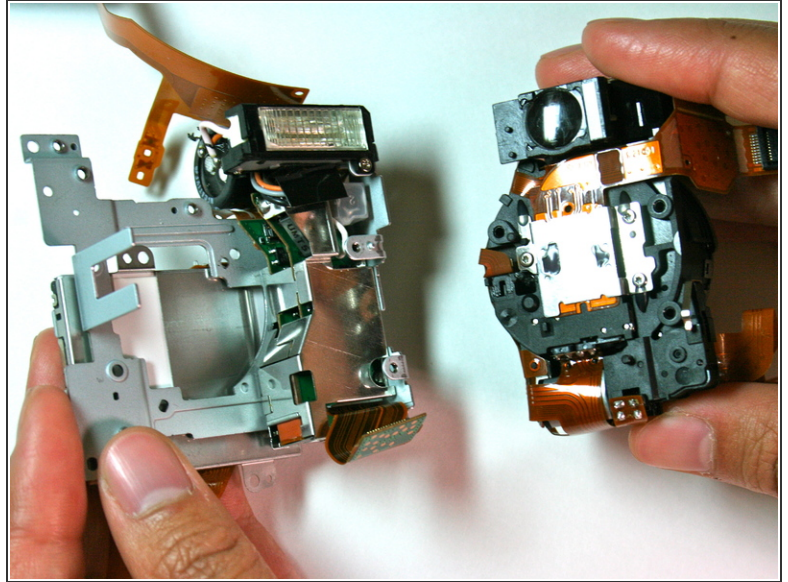
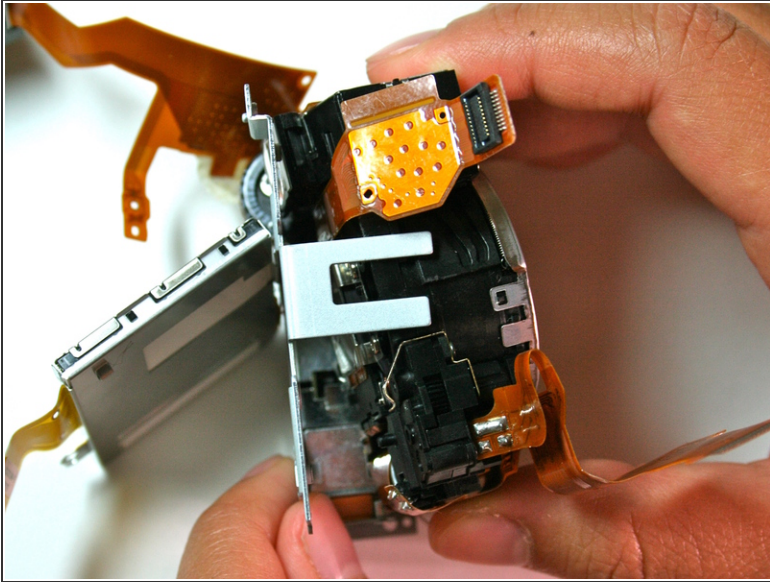
**i** The second picture shows the battery box detached from the housing plate.

## Step 26



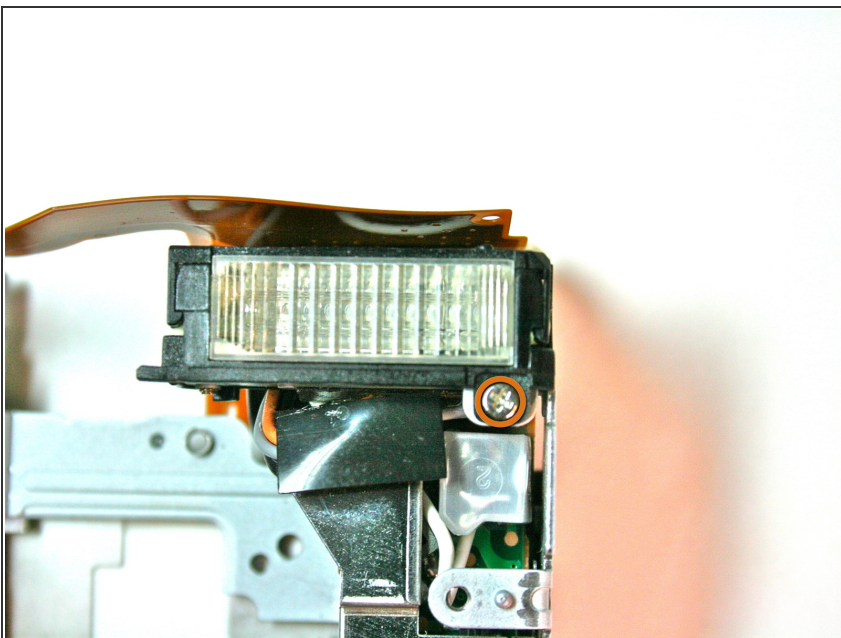
- Remove the three (3.1mm) black screws that were behind the screen and battery box.

## Step 27



- Carefully remove the lens.
- ⓘ Remove the bottom side of the lens first before the viewfinder side.
- ⚠ Be careful of wires and delicate parts.

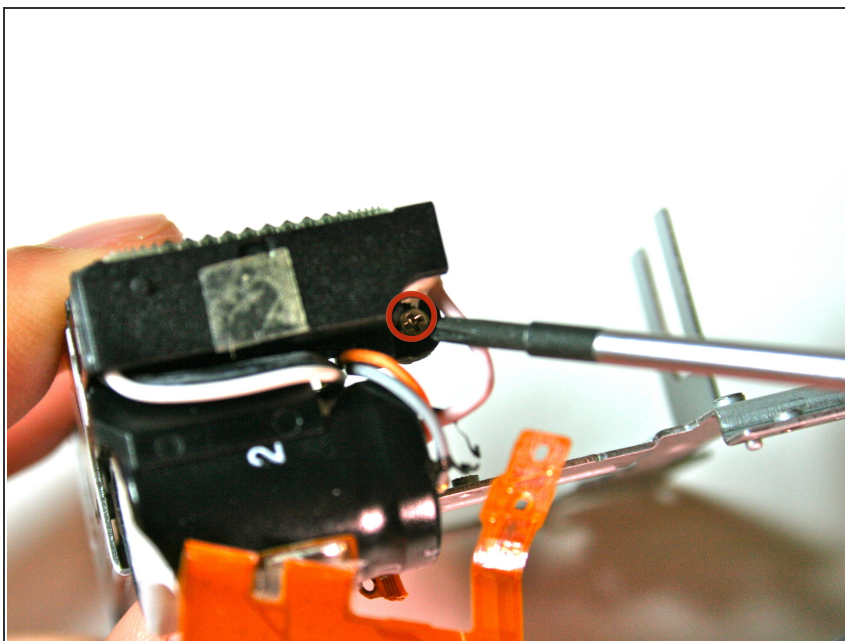
## Step 28 — Flash Unit



- Remove the 3.3 mm screw from underneath the clear plastic flash unit on the front side.

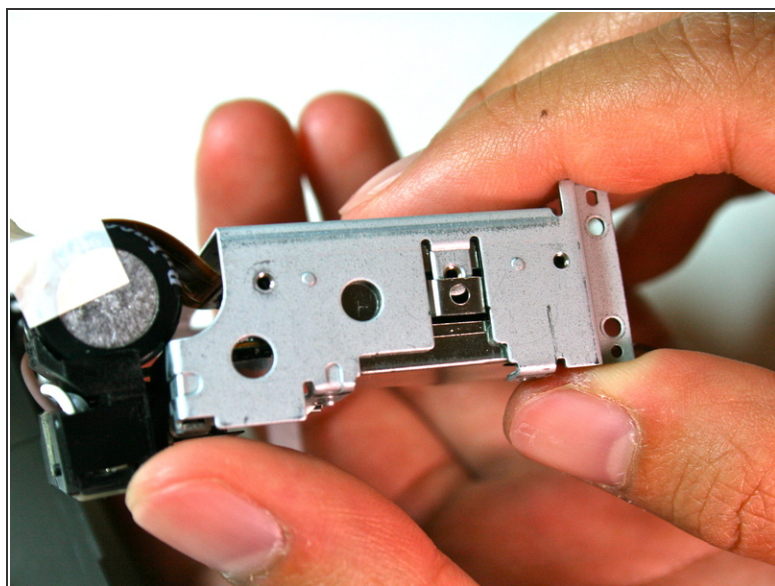
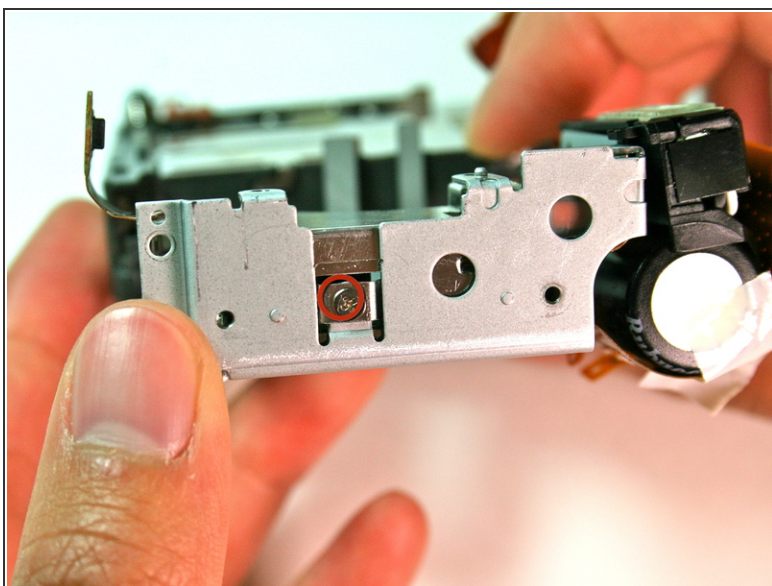


## Step 29



- Remove the 3.4mm screw from the top of the flash unit and housing plate.

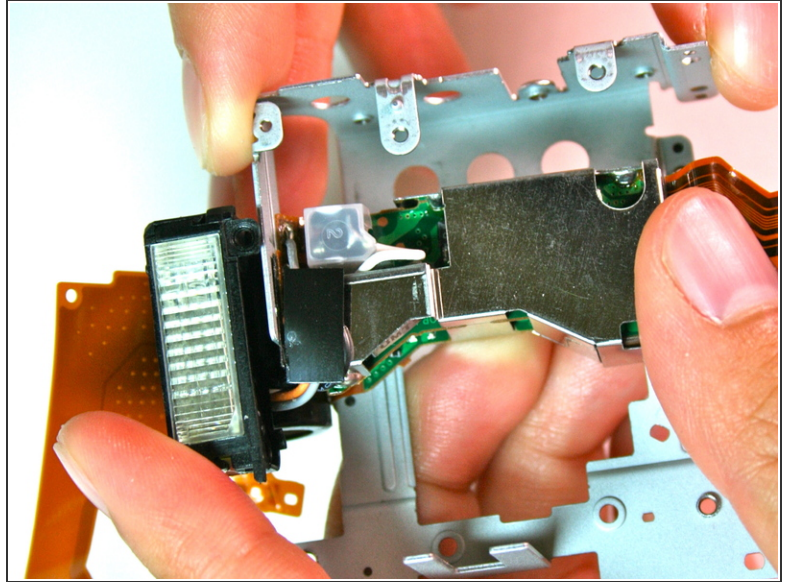
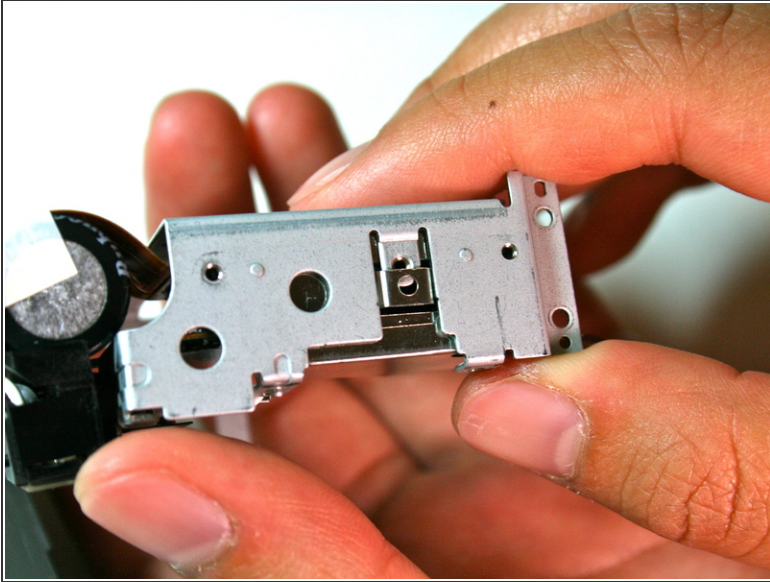
## Step 30



- Remove the 2.1mm screw from the interlocking clip on the right.

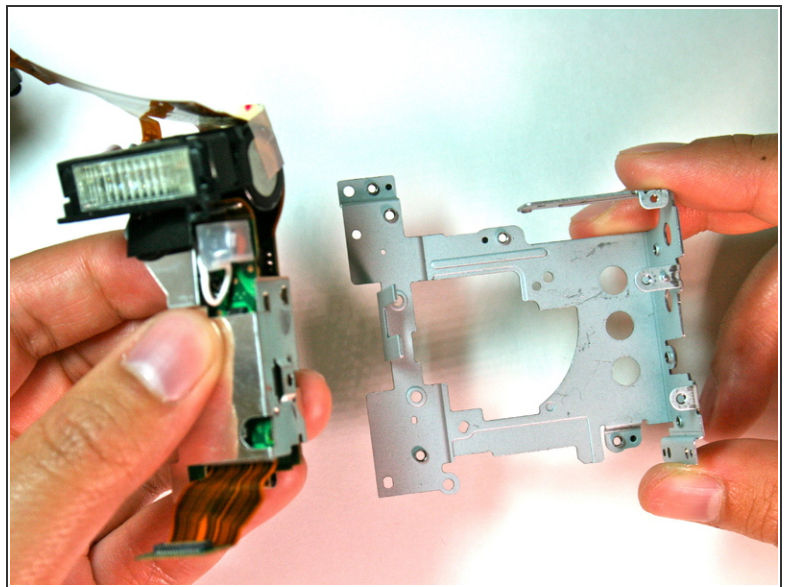
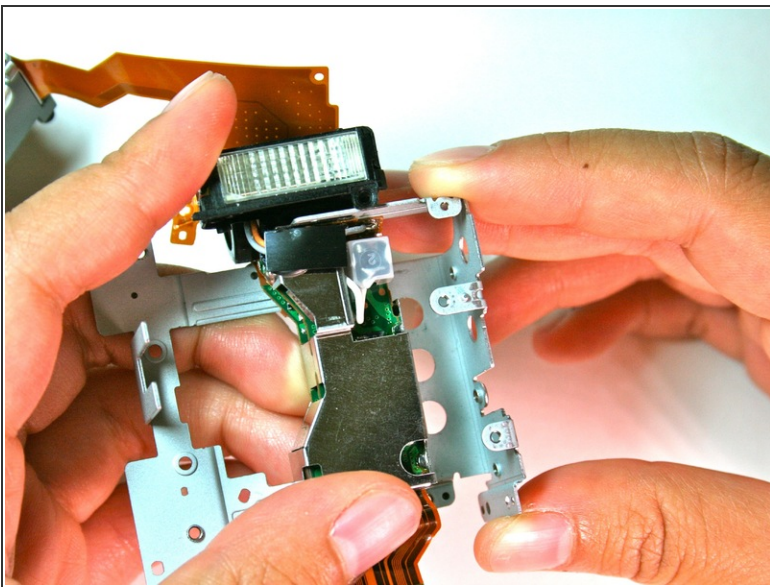


## Step 31



- Pull the flash unit away from the interlocking clip on the housing plate.
- ⓘ This will require some maneuvering to free the interlocking clip from the housing plate.

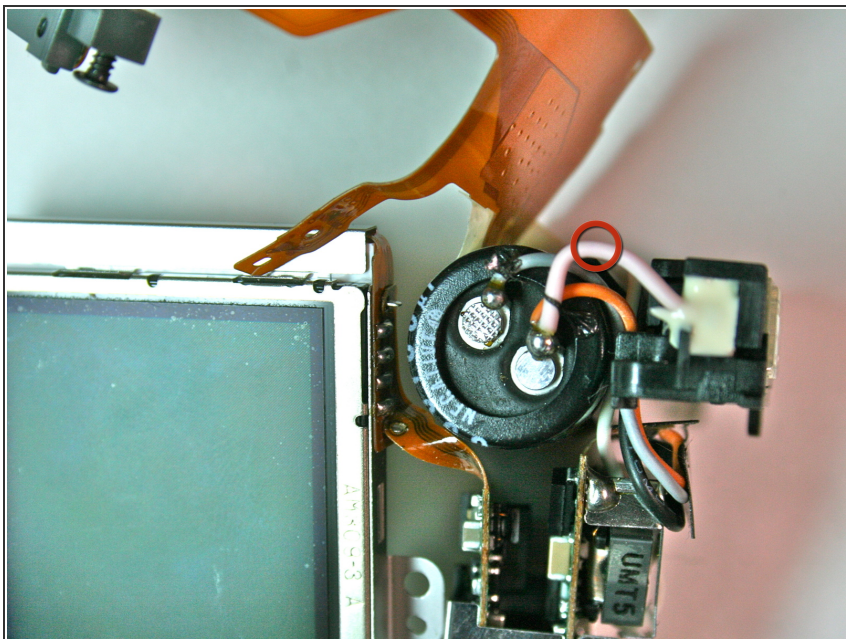
## Step 32



- Slide the flash unit to the left and away from the housing plate.

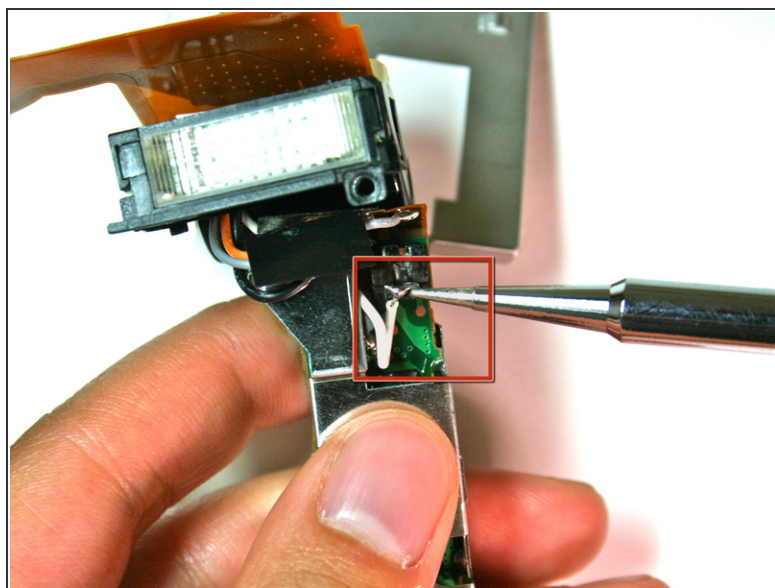
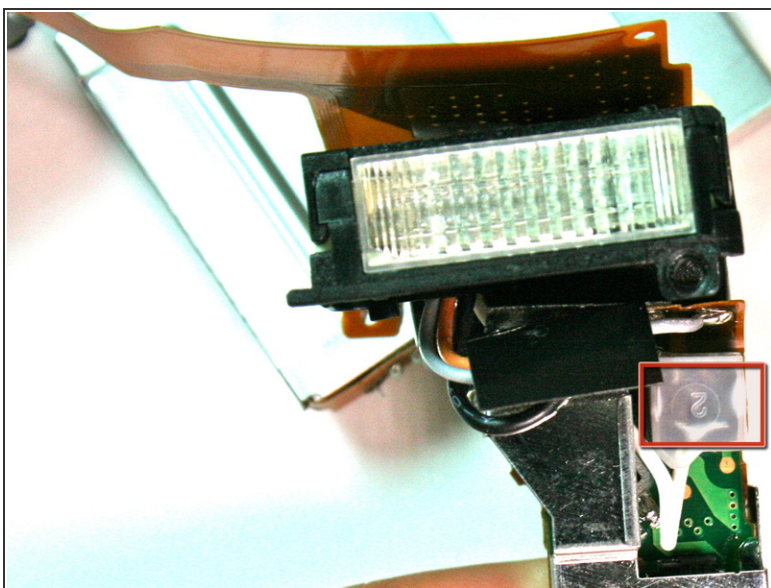


## Step 33



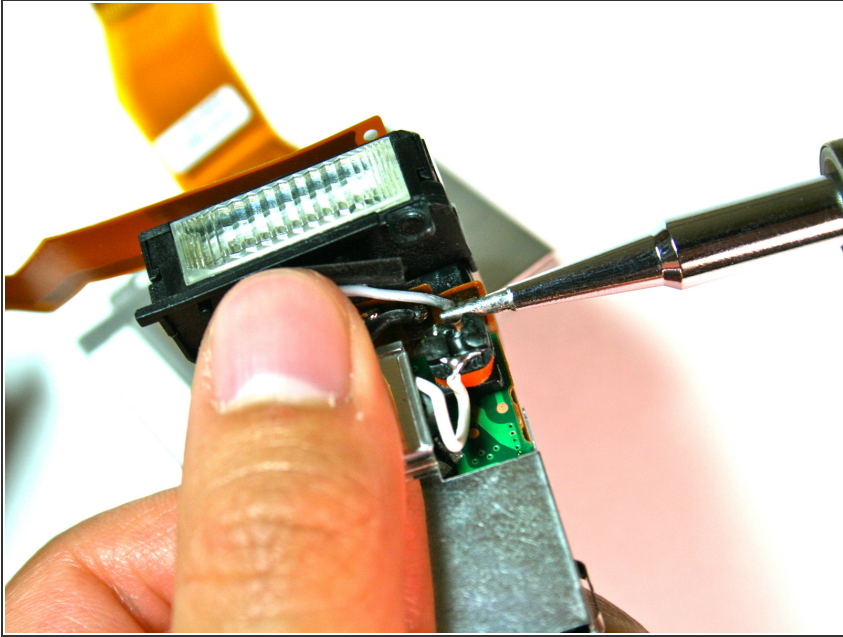
- Unsolder the pink wire from the condenser.

## Step 34



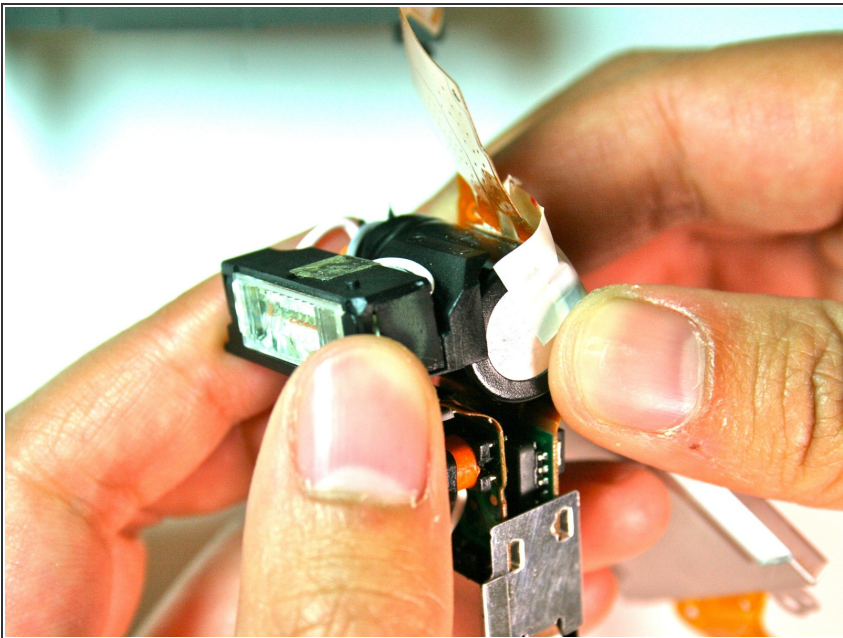
- Remove the clear plastic cover from the white wire by lifting off with finger.
- Desolder the white wire.

## Step 35



- Remove the gray wire by desoldering it from the underside of the flash unit.

## Step 36



- Carefully pull the flash unit off the condenser. There is tape underneath, so some force may be required.

To reassemble your device, follow these instructions in reverse order.

This document was last generated on 2017-07-05 01:03:09 AM.